



STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES & ENVIRONMENTAL CONTROL
DIVISION OF CLIMATE, COASTAL & ENERGY

100 W. WATER STREET, SUITE 5A
DOVER, DELAWARE 19904

ENERGY POLICY & PROGRAMS

PHONE: (302) 735-3480

October 1, 2019

Dear Educator:

You and your students are invited and encouraged to participate in the 26th annual Junior Solar Sprint State Competition, sponsored in partnership by the Delaware Department of Natural Resources and Environmental Control, Division of Climate, Coastal & Energy and the Delaware Technology Student Association (TSA).

Students 5th through 8th grade build and race their own solar-powered model cars in this statewide challenge of creativity, engineering and speed. The 2020 contest will take place on Thursday, April 2, 2020. This year, the location of the contest has changed and it will be held at the Del Tech campus in Dover, as part of the National Junior Solar Sprint Competition sponsored by the U.S. Army Educational Outreach Program.

Junior Solar Sprint (JSS) presents a hands-on, multidisciplinary exercise in renewable energy education that encourages teamwork and fosters student interest in STEM (science, technology, engineering and mathematics) fields. Students can flex their creative ingenuity and apply real-world problem-solving in a fun and educational atmosphere.

The winning team will be eligible to compete in the 2020 National JSS Competition held at the Gaylord Opryland Resort and Convention Center in Nashville, Tenn., June 27 – July 1, and awards will also be presented for design and engineering.

The Division of Climate, Coastal & Energy will provide each participating school with two starter Junior Solar Sprint Kits, each consisting of a solar panel, an electric motor and guidelines. All students will be required to submit a design portfolio, which helps students document their project and learn further about engineering throughout the project. Students will also create a display to accompany their model vehicle, putting its best wheel forward for the People's Choice award. **Students build and test their vehicles over the course of a few months, and arrive on race day with their vehicle and display in-hand. Separately, portfolios are due to the Division of Climate, Coastal & Energy at 100 W Water St. Suite 5A, Dover, DE 19904, and must be delivered or postmarked by March 20, 2020.** This ensures that all portfolios can be reviewed carefully and fairly prior to the event.

Schools are not required to have a Technology Student Association chapter in order to participate. All are welcome! However, please note that all schools will be required to follow Technology Student Association Guidelines, which can be found on the Delaware Technology Student Association [website](#), or contact the Division of Climate, Coastal & Energy at 302-735-3480.

Interested teachers may submit the attached registration form to JamesW.Lee@delaware.gov by Jan 10, 2020.

We hope you will join us for this exciting and educational event!

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Lee", is shown within a rectangular frame.

Jim Lee
DNREC Division of Climate, Coastal & Energy
100 W. Water St.
Dover, DE 19904
302.735.3480